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#1059, MIG-A Sector, Opp. Railwheel Factory,
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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete C1.5) | Date: 10-07-2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengaluru Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphalts)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of Reciept	03-07-2021
Sample Type	Wall Concrete
Sample Type/Size	150x150x150 mm
Sample Grade/ Age	M20/ 7 Days Compressive Strength
Date of Test	10-07-2021
Location	

Sl No.	Identification Mark	Grade of Concrete	Date of Casting	Date of Testing	Dimension of Specification	Cross sectional area	Weight of the sample	Failure Load	Compressive Strength	Average Compressive Strength
					mm	Sq.mm	kg	KN	N/mm²	N/mm²
1	Wall Concrete	M20	03-07-2021	10-07-2021	150x150x150	22500	8.62	458	20.4	21.15
2	Wall Concrete	M20	03-07-2021	10-07-2021	150x150x150	22500	8.40	456	21.6	
3	Wall Concrete	M20	03-07-2021	10-07-2021	150x150x150	22500	8.74	461	21.5	

Remarks :

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete C1.5) — Date: 10-07-2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of Reciept	03-07-2021
Sample Type	Wall Concrete
Sample Type/Size	150x150x150 mm
Sample Grade/ Age	M20/ 7 Days Compressive Strength
Date of Test	10-07-2021
Location	

Sl No.	Identification Mark	Grade of Concrete	Date of Casting	Date of Testing	Dimension of Specification	Cross sectional area	Weight of the sample	Failure Load	Compressive Strength	Average Compressive Strength
					mm	Sq.mm	kg	KN	N/mm²	N/mm²
1	Wall Concrete	M20	03-07-2021	10-07-2021	150x150x150	22500	8.62	458	20.4	21.29
2	Wall Concrete	M20	03-07-2021	10-07-2021	150x150x150	22500	8.40	456	21.7	
3	Wall Concrete	M20	03-07-2021	10-07-2021	150x150x150	22500	8.74	461	21.8	

Remarks :

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete C1.5) — Date: 03-07-2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of Reciept	26-06-2021
Sample Type	Drain Raft
Sample Type/Size	150x150x150 mm
Sample Grade/ Age	M20/ 7 Days Compressive Strength
Date of Test	03-07-2021
Location	

Sl No.	Identification Mark	Grade of Concrete	Date of Casting	Date of Testing	Dimension of Specification	Cross sectional area	Weight of the sample	Failure Load	Compressive Strength	Average Compressive Strength
					mm	Sq.mm	kg	KN	N/mm²	N/mm²
1	Drain Raft	M20	26-06-2021	03-07-2021	150x150x150	22500	8.62	458	20.4	21.22
2	Drain Raft	M20	26-06-2021	03-07-2021	150x150x150	22500	8.40	456	21.5	
3	Drain Raft	M20	26-06-2021	03-07-2021	150x150x150	22500	8.74	461	21.8	

Remarks :

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete C1.5) — Date: 03-07-2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of Reciept	26-06-2021
Sample Type	Drain Raft
Sample Type/Size	150x150x150 mm
Sample Grade/ Age	M20/ 7 Days Compressive Strength
Date of Test	03-07-2021
Location	

Sl No.	Identification Mark	Grade of Concrete	Date of Casting	Date of Testing	Dimension of Specification	Cross sectional area	Weight of the sample	Failure Load	Compressive Strength	Average Compressive Strength
					mm	Sq.mm	kg	KN	N/mm²	N/mm²
1	Drain Raft	M20	26-06-2021	03-07-2021	150x150x150	22500	8.62	458.0	20.4	20.36
2	Drain Raft	M20	26-06-2021	03-07-2021	150x150x150	22500	8.40	455.8	20.3	
3	Drain Raft	M20	26-06-2021	03-07-2021	150x150x150	22500	8.74	460.6	20.5	

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete C1.5) — Date: 20-05-2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphalts)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of Reciept	13-05-2021
Sample Type	Culvert Raft
Sample Type/Size	150x150x150 mm
Sample Grade/ Age	M20/ 7 Days Compressive Strength
Date of Test	20-05-2021
Location	

Sl No.	Identification Mark	Grade of Concrete	Date of Casting	Date of Testing	Dimension of Specification	Cross sectional area	Weight of the sample	Failure Load	Compressive Strength	Average Compressive Strength
					mm	Sq.mm	kg	KN	N/mm^2	N/mm^2
1	Culvert Raft	M20	13-05-2021	20-05-2021	150x150x150	22500	8.62	458	21.6	21.17
2	Culvert Raft	M20	13-05-2021	20-05-2021	150x150x150	22500	8.40	456	21.3	
3	Culvert Raft	M20	13-05-2021	20-05-2021	150x150x150	22500	8.74	461	20.6	

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete C1.8) — Date: 21-05-2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palika (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphalts)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of Reciept	14-05-2021
Sample Type	Culvert Wall
Sample Type/Size	150x150x150 mm
Sample Grade/ Age	M20/ 7 Days Compressive Strength
Date of Test	21-05-2021
Location	

Sl No.	Identification Mark	Grade of Concrete	Date of Casting	Date of Testing	Dimension of Specification	Cross sectional area	Weight of the sample	Failure Load	Compressive Strength	Average Compressive Strength
					mm	Sq.mm	kg	KN	N/mm²	N/mm²
1	Culvert Wall	M20	14-05-2021	21-05-2021	150x150x150	22500	8.62	458	20.8	21.23
2	Culvert Wall	M20	14-05-2021	21-05-2021	150x150x150	22500	8.40	456	21.3	
3	Culvert Wall	M20	14-05-2021	21-05-2021	150x150x150	22500	8.74	461	21.6	

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete C1.5) — Date: 31/07/2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of Reciept	03-07-2021
Sample Type	Wall Concrete
Sample Type/Size	150x150x150 mm
Sample Grade/ Age	M20/ 28 Days Compressive Strength
Date of Test	31-07-2021
Location	

Sl No.	Identification Mark	Grade of Concrete	Date of Casting	Date of Testing	Dimension of Specification	Cross sectional area	Weight of the sample	Failure Load	Compressive Strength	Average Compressive Strength
					mm	Sq.mm	kg	KN	N/mm²	N/mm²
1	Wall Concrete	M20	03-07-2021	31-07-2021	150x150x150	22500	8.75	713	30.2	31.05
2	Wall Concrete	M20	03-07-2021	31-07-2021	150x150x150	22500	8.60	706	31.4	
3	Wall Concrete	M20	03-07-2021	31-07-2021	150x150x150	22500	8.96	710	31.5	

Remarks :

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete C1.5) | Date: 31/07/2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of Reciept	03-07-2021
Sample Type	Wall Concrete
Sample Type/Size	150x150x150 mm
Sample Grade/ Age	M20/ 28 Days Compressive Strength
Date of Test	31-07-2021
Location	

Sl No.	Identification Mark	Grade of Concrete	Date of Casting	Date of Testing	Dimension of Specification	Cross sectional area	Weight of the sample	Failure Load	Compressive Strength	Average Compressive Strength
					mm	Sq.mm	kg	KN	N/mm²	N/mm²
1	Wall Concrete	M20	03-07-2021	31-07-2021	150x150x150	22500	8.75	713	30.2	31.05
2	Wall Concrete	M20	03-07-2021	31-07-2021	150x150x150	22500	8.60	706	31.4	
3	Wall Concrete	M20	03-07-2021	31-07-2021	150x150x150	22500	8.96	710	31.5	

Remarks :

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete C1.5) — Date: 24/07/2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of Reciept	26-06-2021
Sample Type	Drain Raft
Sample Type/Size	150x150x150 mm
Sample Grade/ Age	M20/ 28 Days Compressive Strength
Date of Test	24-07-2021
Location	

Sl No.	Identification Mark	Grade of Concrete	Date of Casting	Date of Testing	Dimension of Specification	Cross sectional area	Weight of the sample	Failure Load	Compressive Strength	Average Compressive Strength
					mm	Sq.mm	kg	KN	N/mm²	N/mm²
1	Drain Raft	M20	26-06-2021	24-07-2021	150x150x150	22500	8.75	713	31.7	31.54
2	Drain Raft	M20	26-06-2021	24-07-2021	150x150x150	22500	8.60	706	31.4	
3	Drain Raft	M20	26-06-2021	24-07-2021	150x150x150	22500	8.96	710	31.5	

Remarks :

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete C1.5) — Date: 24/07/2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of Reciept	26-06-2021
Sample Type	Drain Raft
Sample Type/Size	150x150x150 mm
Sample Grade/ Age	M20/ 28 Days Compressive Strength
Date of Test	24-07-2021
Location	

Sl No.	Identification Mark	Grade of Concrete	Date of Casting	Date of Testing	Dimension of Specification	Cross sectional area	Weight of the sample	Failure Load	Compressive Strength	Average Compressive Strength
					mm	Sq.mm	kg	KN	N/mm^2	N/mm^2
1	Drain Raft	M20	26-06-2021	24-07-2021	150x150x150	22500	8.75	713	30.5	31.15
2	Drain Raft	M20	26-06-2021	24-07-2021	150x150x150	22500	8.60	706	31.4	
3	Drain Raft	M20	26-06-2021	24-07-2021	150x150x150	22500	8.96	710	31.5	

Remarks :

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete C1.5)

Date: 10/06/2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of Reciept	13-05-2021
Sample Type	Culvert Raft
Sample Type/Size	150x150x150 mm
Sample Grade/ Age	M20/ 28 Days Compressive Strength
Date of Test	10-06-2021
Location	

Sl No.	Identification Mark	Grade of Concrete	Date of Casting	Date of Testing	Dimension of Specification	Cross sectional area	Weight of the sample	Failure Load	Compressive Strength	Average Compressive Strength
					mm	Sq.mm	kg	KN	N/mm^2	N/mm^2
1	Culvert Raft	M20	13-05-2021	10-06-2021	150x150x150	22500	8.75	713	30.7	31.37
2	Culvert Raft	M20	13-05-2021	10-06-2021	150x150x150	22500	8.60	706	31.9	
3	Culvert Raft	M20	13-05-2021	10-06-2021	150x150x150	22500	8.96	710	31.5	

Remarks :

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete C1.5) — Date: 12/06/2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengaluru.
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Reference	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of Reciept	14-05-2021
Sample Type	Culvert Wall
Sample Type/Size	150x150x150 mm
Sample Grade/ Age	M20/ 28 Days Compressive Strength
Date of Test	12-06-2021
Location	

Sl No.	Identification Mark	Grade of Concrete	Date of Casting	Date of Testing	Dimension of Specification	Cross sectional area	Weight of the sample	Failure Load	Compressive Strength	Average Compressive Strength
					mm	Sq.mm	kg	KN	N/mm²	N/mm²
1	Culvert Wall	M20	14-05-2021	12-06-2021	150x150x150	22500	8.75	713	30.5	31.07
2	Culvert Wall	M20	14-05-2021	12-06-2021	150x150x150	22500	8.60	706	31.2	
3	Culvert Wall	M20	14-05-2021	12-06-2021	150x150x150	22500	8.96	710	31.5	

Remarks :

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Test Result of Inter Lock pavers

IS: 516 - 1959 — Date: 17/07/2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengal
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Refe	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sam	Sample supplied by Agency
Sample Type	Inter Lock pavers
Date of Test	17/07/2021
Location	

Sl. No	Details	Flexural Strength	Compressive Strength	Aveerage Compressive Strength
		mpa	N/mm^2	N/mm^2
1	Paver Block	4.10	36.5	36.86
2	Paver Block	4.42	38.02	
3	Paver Block	3.90	36.05	

Remarks :

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Test Result of Inter Lock pavers

IS: 516 - 1959 — **Date: 17/07/2021**

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengal
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Refe	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sam	Sample supplied by Agency
Sample Type	Inter Lock pavers
Date of Test	17/07/2021
Location	

Sl. No	Details	Flexural Strength	Compressive Strength	Aveerage Compressive Strength
		mpa	N/mm^2	N/mm^2
1	Paver Block	4.17	35.54	35.97
2	Paver Block	3.85	37.12	
3	Paver Block	4.29	35.26	

Remarks :

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Test Result of Inter Lock pavers

IS: 516 - 1959 — Date: 17/07/2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengal
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Refe	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sam	Sample supplied by Agency
Sample Type	Inter Lock pavers
Date of Test	17/07/2021
Location	

Sl. No	Details	Flexural Strength	Compressive Strength	Aveerage Compressive Strength
		mpa	N/mm^2	N/mm^2
1	Paver Block	4.05	36.2	35.45
2	Paver Block	4.37	35.2	
3	Paver Block	4.25	34.95	

Remarks :

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Test Result of Inter Lock pavers

IS: 516 - 1959 | Date: 21/07/2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengal
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Refe	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sam	Sample supplied by Agency
Sample Type	Inter Lock pavers
Date of Test	21/07/2021
Location	

Sl. No	Details	Flexural Strength	Compressive Strength	Aveerage Compressive Strength
		mpa	N/mm^2	N/mm^2
1	Paver Block	3.92	36.74	36.61
2	Paver Block	4.04	35.1	
3	Paver Block	3.77	37.99	

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Test Result of Inter Lock pavers

IS: 516 - 1959 | Date: 21/07/2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengal
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Refe	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sam	Sample supplied by Agency
Sample Type	Inter Lock pavers
Date of Test	21/07/2021
Location	

Sl. No	Details	Flexural Strength	Compressive Strength	Aveerage Compressive Strength
		mpa	N/mm^2	N/mm^2
1	Paver Block	4.12	35.28	35.77
2	Paver Block	4.00	36.5	
3	Paver Block	4.17	35.53	

Remarks :

AARTN ASSOCIATES BANGALORE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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The Modern Construction Solutions
#1059, MIG-A Sector, Opp. Railwheel Factory,
Yelahanka New Town, Bangalore - 64
Ph : 8048505503 | Email : aartnassociates@gmail.com

Test Result of Inter Lock pavers

IS: 516 - 1959 — Date: 21/07/2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengal
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Refe	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sam	Sample supplied by Agency
Sample Type	Inter Lock pavers
Date of Test	21/07/2021
Location	

Sl. No	Details	Flexural Strength	Compressive Strength	Aveerage Compressive Strength
		mpa	N/mm^2	N/mm^2
1	Paver Block	3.87	36.2	35.44
2	Paver Block	3.76	34.61	
3	Paver Block	3.92	35.50	

Remarks :

AARTN ASSOCIATES BANGALORE DATE

Asst. Executive Engineer
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Test Result of Inter Lock pavers

IS: 516 - 1959 — Date: 24/07/2021

Name of Work : Comprehensive Development works in ward No. 03 Attur

Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengal
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Refe	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sam	Sample supplied by Agency
Sample Type	Inter Lock pavers
Date of Test	24/07/2021
Location	

Sl. No	Details	Flexural Strength	Compressive Strength	Aveerage Compressive Strength
		mpa	N/mm^2	N/mm^2
1	Paver Block	4.08	36.14	36.52
2	Paver Block	3.92	37.52	
3	Paver Block	4.13	35.89	

Remarks :

AARTN ASSOCIATES DATE BANGALORE

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Test Result of Inter Lock pavers

IS: 516 - 1959 | Date: 24/07/2021

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Client	Bruhat Bengalore Mahanagara Palike (BBMP) , Yelahanka Zone, Bengal
Contractor	B.B Umesh (S.M.L.P Asphats)
Customer Refe	EE(PROJECT)/YNK ZONE/WO/173/2019-20
Source of Sam	Sample supplied by Agency
Sample Type	Inter Lock pavers
Date of Test	24/07/2021
Location	

Sl. No	Details	Flexural Strength	Compressive Strength	Aveerage Compressive
		mpa	N/mm^2	N/mm^2
1	Paver Block	4.15	34.59	35.03
2	Paver Block	4.26	36.13	
3	Paver Block	4.10	34.37	

Remarks :

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Yelahanka Zone
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